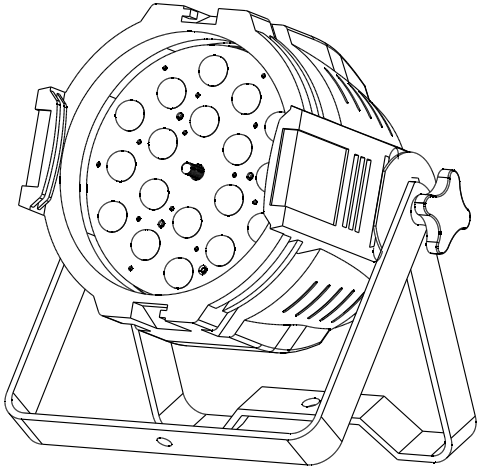
LED Multi PAR Zoom
USER MANUAL



Pre-programmed

LINKABLE STAND / ALONE

DMX 512

Sound Activaton

CE

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1.BEFORE YOU BEGIN

What is included

1 x Fixture
1 x Power cable with plug
1 x User Manua

Unpacking Instructions

Immediately upon receiving a fixture, carefully unpack the carton; check the contents to ensure that all parts are present, and have been received in good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

AC POWER

This fixture has an auto-switching switch-mode power supply that can accommodate a wide range of input voltages. The only thing necessary to do before powering on the unit is to make sure the line voltage you are applying is within the range of accepted voltages. This fixture will accommodate between 100V and 240V AC 50-60 Hz.

Help preserve the environment! Ensure that this product is recycled at the end of its life. Your supplier can give details of local arrangements for the disposal of products.

Safety Instructions

WARNING!

Please read these instructions carefully, which includes important information about the installation, usage and maintenance of this product..

The following symbols are used to identify important safety information on the product and in this manual:

DANGER! Safety hazard. Risk of severe injury or death

DANGER! Hazardous Voltage. Risk of lethal or severe electric shock.

WARNING! Fire hazard

WARNING! LED light emission. Risk of eye injury.

WARNING! Refer to user

This light belongs to grade I protection device, therefore the light must connect to the earth excellently. And the power connection must be operated by the professional technician.

Make sure that the working voltage will not higher or lower than the rated value.

Make sure that the cable didn't be damage or lacerated by sharp.

The light must be power off when it's standing idle or before clearing.

The cable must with plug, and you must pull out the cable by handle the plug.

Please be careful when installing the lighting. Never touch the bared cable, or it will cause the deadly electric shock.

Please use the suitable and safe cable to connect the light.

Please never remodel the light randomly, we will not take the guarantee for the faulty and damage which caused by dismantle、repair or remodel of the nonprofessional person.

Maximum ambient temperature 40°C. Do not operate fixture at temperatures higher than this.

Never connect the device to a dimmer pack.

Do not daisy chain power to more than 8 units @ 120V and 15 units @ 230V.

2.INTRODUCTION

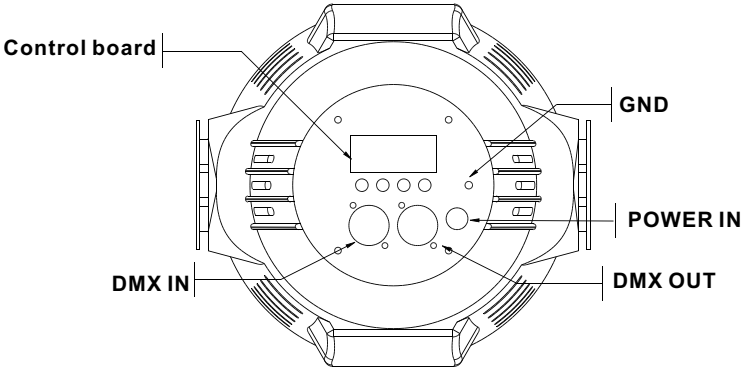
Specifications

Voltage Rating: AC100V～240V 50-60Hz
Power Rating: 150W
LED Quantity: 18pcs 4 IN1 LEDs(RGBW)
LED: 570mA
Beam Angle: 10°-40°(adjustable)
Ingress Protection: Ip20
Product Size: 310X200X330mm
Package Size:370X305X400 mm
N/W:5.0Kgs

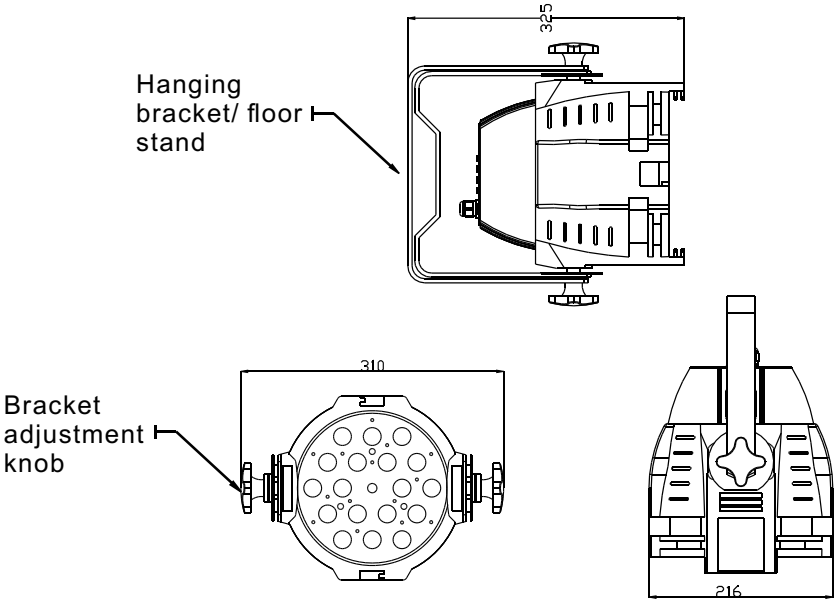
Features

RGBW color mixing with or without DMX controller
5 distinct dimming curves
User defined program/ inner optional program
LED display with password protection
Transfer custom programs between fixtures
Operating Modes: DMX512 Connection with ID Address/Master & Slave...
DMX Channels: STAG/coL.d
11 channels(STAG): Dimmer+RGBW+ Macro +strobe/ auto spee+AUTO + dimming speed +zoom+zoom speed
6 channels(co1.d):Dimmer+RGBW +zoom

Product Overview



Dimensions



3.SETUP

Installation Requirement

This product can be used in a variety of situations, can hang and put on the ground.

If hanging the fixture for overhead use, then please follow the below steps.

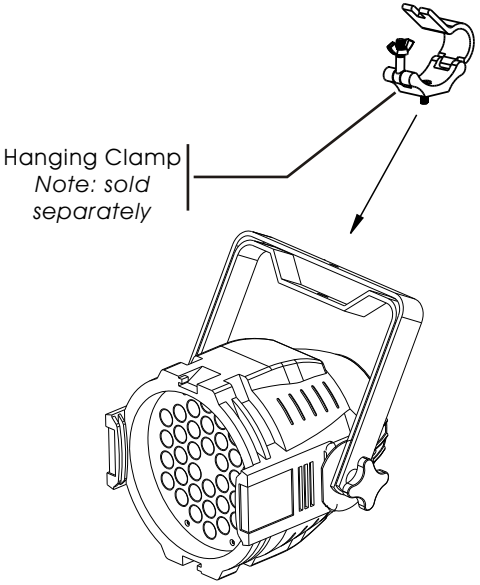
Please choose the suitable location to put or hang the light when installing it.

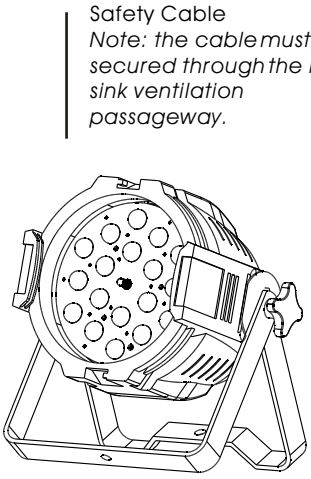
You must use the exclusive clamp hanger and screw when hanging it, and make sure the weight of the light is within limits of the hanger.

Please make sure without any flammable objects within 0.5m when installing the light.

The installation should be operated by professional person; any irregular installation will cause the body injury or equipment damage.

Block access below the work area and use suitable and stable platform when installing or servicing fixture.



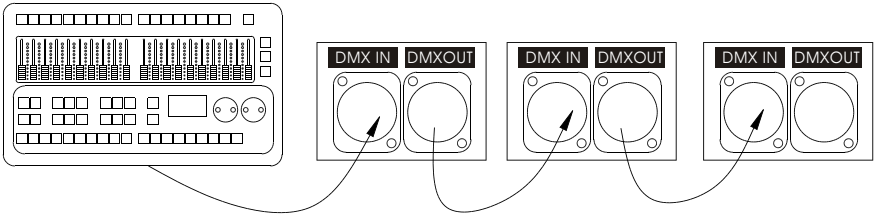


Connection of DMX Signal Wire

1 Please use the fixture controller wire specially when use the DMX512 Controller. Connect the (male) 3 pin connector side of the DMX cable to the output (female) 3 pin connector of the first fixture.

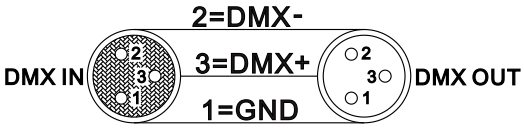
2 Connect the end of the cable coming from the first fixture which will have a (male) 3 pin connector to the input connector of the next fixture consisting of a (female) 3 pin connector. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.

3 This product can be connected numerous lamps in series without the need for the signal amplifier; the signal will not be weakened.



3-PIN TO 5-PIN CONVERSION CHART

Note! If you use a controller with a 5 pin DMX output connector, you will need to use a 5 pin to 3 pin adapter.

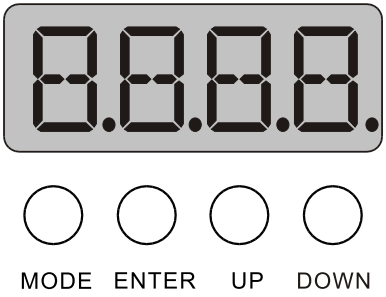


3 PIN TO 5 PIN CONVERSION CHART

Conductor	**3 Pin Female**(output)	5 Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data (-) signal	Pin2	Pin2
Data (+) signal	Pin 3	Pin 3
Do not use		Do not use
Do not use		Do not use

4.OPERATING INSTRUCTIONS

Control Panel Functions



BUTTON	FUNCTION
MODE	Exits from the current menu or function
ENTER	Enables the currently displayed menu or sets the currently selected value in to the selected function
UP	Navigates upwards through the menu list and increases the numeric value when in a function
DOWN	Navigates downwards through the menu list and decreases the numeric value when in a function

Menu Map

MAIN FUNCTION	SUB-FUNCTION	SELECTION	INSTRUCTION
Addr	d001	001~512	Set DMX start address
CoLo	r000	000~255 (0 ~ 100%)	User can combine RED, GREEN, BLUE and WHITE to generate a custom color
	G000		
	b000		
	C000		
	Fo.10	10~40	Zoom (10-40)
	S000	00~20	Select strobe frequency
Auto	At00	01~04	4 auto programs available
	Pr00	01~03	chose program from 3 "Edit" programs
	uoi 1	01~02	Sound Active
chnd	StAG		Set DMX512 Controller Mode
	cold		
SEr	Loc	ON/OFF	Enables or Disables password lockout
	UPLd	Password	Upload programs(Password required)
	dinn	ON/OFF	Enable or disable dimmer speed
	rESt	Password	Reset factory defaults
	UEr	V1.00	Version number
Edit	Pr01 (01–03 Custom) / Sc01 (01–99 Scene)	r000	User can combine RED, GREEN, BLUE and WHITE to generate a custom color
		G000	
		b000	
		C000	
		Fo.10	Zoom (10-40)
		S000	Select strobe frequency （00–20）
		t000	(0~255) step time
		F000	transition time of last step to current step
Fo.cu	StAr	10-40	set the begin of the zoom
	End	10-40	set the end of the zoom
	uSE	ON/OFF	Enable or disable switch reset

Operating instructions

1.Upload custom program or set to another machine

Set all the fixtures which receive custom programs from the source fixture as 【Addr】

On the Master unit, Press MODE button until【SET】is displayed on source fixture.

Then press ENTER button, use UP/DOWN buttons until【UPLd】is displayed.

Then press ENTER button, Input password UP, UP, DOWN, DOWN, press ENTER. All the lights display yellow color when uploading. After upload finish, it will turns to green which means upload successful. If has mistake, it will turns to red color.

Press <MODE> on the source unit to exit the upload mode.

2 Enable password lock

【SEr】 【Loc】 【ON】/【OFF】 {ENTER}

【ON】enable lock, 【OFF】disable lock

Enable the password lock, control panel in the boot or go into standby automatically take effect, this time to operate lamps need to enter your password. { MODE、UP、MODE、DOWN、MODE、UP、MODE、DOWN } {ENTER}

3 Factory reset

【SEr】 【rESt】 {UP、UP、DOWN、DOWN} {ENTER}

Note: The password is permanently set as {UP、UP、DOWN、DOWN}
Then press ENTER button

4 Custom program

【Edit】 【Pr01】 【SC01】

Press MODE button until【Edit】is displayed, press ENTER access program mode.

Select the program you'll edit by pressing UP/DOWN buttons. The available range is o1-10.

Select the step you'll edit by pressing UP/DOWN buttons, and then press ENTER button access program.

When 'R000' display on the screen, press the UP/DOWN button to choose the value. Repeat this step to edit the value of 'G000', 'b000', 'C000','S000', 'T000' and 'F000'. Please pay attention for the 'S' is the rate of strobe. 'T' is the operating time of the present step, the value is between 0 to 255. 'F' is the transitional time from previous step to present step. The transitional time is the quickest when the FADE is 0.
Notice: Please operate the program in turn, from the 01st step to the 30th step. When the operating program less than 30 steps, please set the final step value be 0

Repeat step 3 till complete programming.

Exit program mode by pressing MODE buttons three times.

DMX512 Controller Mode

1、Setting DMX512 Address

【Addr】 【001--512】

Access control panel function by pressing MODE until 【Addr】 is displayed.
Press ENTER, add or reduce channels by pressing UP/DOWN between 001 and 512.
Press MODE to exit.

2、Setting Channels

【cho.n】 【SPAG 、Co Ld】

Access control panel function by prekssing MODE until 【cho.n】 is displayed.
Press ENTER button, select DMX channel by pressing UP/DOWN,
Press MODE to exit.

DMX512 Channel Values

6 channels：Co1.d

Channel	Value	Description
1	000~255	Dimming
2	000~255	Red
3	000~255	Green
4	000~255	Blue
5	000~255	White
6	000~255	Zoom

11 channels：STAG

Channel	Value	Description
1、Dimming	000~255	0-100%
2、RED	000~255	0-100%(Or STEP TIME when CUS.01-10 is activated)
3、Green	000~255	0-100%(Or FADE TIME when CUS.01-10 is activated)
4、Blue	000~255	0-100%
5、White	000~255	0-100%
6、Macro color control	000~009	No Function
	010~255	Macro color control
7、Strobe	000~001	No Function
	002~255	Strobe(00~20Hz)or auto speed (only when using ch.8)
8、auto & custom program	000 ~015	No Function
	016~031	DIM BRIGHT
	032~047	BRIGHT DIM
	048~063	DIM BRIGHT DIM
	064 ~079	14 COLOR CHANGE 1
	080 ~095	14 COLOR CHANGE 2
	096 ~111	14 COLOR CHANGE 3
	112 ~127	gradual change
	128 ~143	fade -out
	144 ~159	fade -in
	160 ~175	Strobe+COLOR CHANGE
	176 ~191	cust custom program 1
	192 ~207	Cust custom program 2
	208 ~223	Cust custom program 3
	224 ~229	No Function
	230 ~234	remain 5 seconds,reset dynamo
	235 ~239	No Function
	240 ~255	sound controlling(14 COLOR CHANGE)
9、Dimming speed	000~255	Fast to slow
10、zoom	000~255	10~40
11、zoom speed	000~255	Fast to slow

MASTER DIMMER

Channels 1 controls the intensity of the currently projected color
When the slider is at the highest position (255), then the intensity of the output is at the maximum.

RED, GREEN BLUE AND WHITE COLOR SELECTION

Channels 2, 3,4 and 5 control the intensity ratio of each of the Red, Green, Blue & White LEDs.
1,2,3 ,4 and 5 channel can be used in combination

COLOR MACROS

Channel 6 selects the required Color Macro.
Channel 6 has priority over Channels 2, 3,4& 5 .
Channel 1 is used to control the intensity of the current Color Macro.

STROBE

Channel 7 controls the strobe of Channels 1 through 6.
Channel 7has priority over Channels 2, 3, 4 ,5& 6.
Speed of the strobe is adjustable from 0 to 20 Hz.

AUTO & CUSTOM PROGRAMS

Chanel 8 selects the preset Auto/Custom programs 01~03
When activating the Auto/Custom programs, it is then possible to control the Step time and Fade time by using Channels 2 & 3 respectively.
When activating the Auto programs, Channel 6 control the speed of auto program
Channel 8 has priority over channels 2-7.

DIMMER SPEED

Channel 9is for selecting the dimmer mode and dimmer speed.
When channel 8 is not activated, then RGB and Master Dimmer are linear.
The dimmer modes 1, 2, 3, and 4 are different speeds of the nonlinear dimming curves

Master/Slave Control Mode

1、Setting master machine

Access control panel function by pressing MODE until 【AuTo】 is displayed.
Press ENTER, select 【AtOO】/ 【PrOO】or 【uoi I】 by pressing UP/DOWN buttons.
Press ENTER, and then press MODE to exit.
You can choose 【AtOO】pre-set programs, the range is 【o1--04】.
you can choose 【PrOO】custom programs, the range is 【o1--03】.
You can choose 【uoi I】sound controlling, the range is 【o1--02】

2、Setting slave machine

Access control panel function by pressing MODE until 【Addr】 is displayed.

3、Usage of Master/Slave

When two or more fixtures connected, you can set up the first machine as the Master and the followed fixtures as Slaves. The Master can choose pre-set programs ... 【AtOO】or 【PrOO】or 【uoi I】, all the slaves will follow the Master's operation synchronously.

5. APPENDIX

Service Maintenance Guide

Symptom(s)	Possible Solution(s)
1 or more LED's are not illuminating	Clean the fixture regularly to avoid any such failure. This fixture is convection cooled, which means that if the surface is kept clean and free of debris, then proper cooling will be allowed to occur
	An LED may have failed, resulting in an open circuit. In this event, all of the red, green, or blue in a single module will no longer illuminate. This does not mean that all of the LEDs have failed, but the circuit is wired in series.
	An LED may have failed, resulting in a short circuit. In this event, only the single LED which has failed will no longer function. This does not mean that all of the LEDs have failed, but the circuit is wired in series.
	-Note: In the event of LED failure, a replacement LED PCB assembly may be purchased directly from Our company

Symptom(s)	Possible Solution(s)
Breaker/Fuse keeps blowing	Check total load placed on the electrical circuit
	Check for a short in the electrical wiring: internal and/or external
Device has no power	Check for power on Mains
	-Note: In the event of autoswitching transformer failure, the unit can be sent in for repair; however, a replacement part can be ordered directly from Our company
Fixture is not responding to DMX	Check Control Panel settings for correct addressing
	Check DMX cables
	Check polarity switch settings on the controller
	Check cable connections
	Call service technician
	-Note: In the event of Display PCB failure, a replacement PCB can be ordered directly from Our company
Loss of signal	Use only DMX cables
	Install terminator
	Note: Keep DMX cables separated from power cables or black lights
COLOR-CON Controller does not function, or does not function properly	Make sure connector is firmly connected to device
	This fixture must be in the correct mode in order to properly respond to the COLOR-CON controller. The correct mode is “addr” in the onboard Control Panel
Stand alone operation	This fixture has built-in, automatic programs that may be triggered from the onboard Control Board
The display is only showing: ####	The password lockout has been enabled. you can use the password: { MODE、UP、MODE、DOWN、MODE、UP、MODE、DOWN }